



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 16 91 00 53

**Classification of the application (IPC):**  
H04W 74/00, H04L 5/00, H04L 1/18

**Technical fields searched (IPC):**  
H04L

### DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2016014723 A1 (LYU YONGXIA [CN] ET AL) 14 January 2016 (2016-01-14) * abstract * * paragraph [0007] - paragraph [0032] * * claims 1-20; figures 1-16 *	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 06 January 2020	Examiner Behringer, Lutz
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 06-01-2020  
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2016014723	A1	14-01-2016	CN	105264931 A	20-01-2016
			EP	2953390 A1	09-12-2015
			US	2016014723 A1	14-01-2016
			WO	2014146300 A1	25-09-2014